

b) culturing the tissue source on a substrate and in culture medium to produce proliferating dendritic cell precursors; wherein said culture medium comprises [comprising] GM-CSF and at least one other [another] factor which inhibits [increases the proportion of dendritic cell precursors by inhibiting] the proliferation or maturation of non-dendritic cell precursors thereby increasing the production of dendritic cell precursors in the culture [to produce proliferating dendritic cell precursors]; and

c) culturing the dendritic cell precursors for a period of time sufficient to allow them to mature into mature dendritic cells.

2. (Amended) The method of claim 1, wherein said factor [agent] inhibits macrophage proliferation or maturation.

4. (Amended) The method of claim 3, wherein said factor [agent] is selected from the group consisting of IL-4 and IL-13.

5. (Amended) The method of claim 4, wherein said factor [agent] is IL-4.

7. (Amended) The method of claim 1, wherein the culture medium further comprises  $\text{TNF-}\alpha$ .